Blue Book DENISON DETAILS



MASON CITY BRICK AND TILE COMPANY

DENISON CLAY PRODUCTS

a Complete Line of Structural Units

For your convenience, the contents of these details have been confined to those encountered in the everyday use of Denison Loadbearing Tile, Floor, Furring and Partition Tile. Data on other products included in our complete line of structural clay units, as listed on the back cover, will be gladly furnished on request.

Denison Loadbearing Tile, in either the new KwikLay or Flat Bed types, are designed to meet every building need. KwikLay tile form a complete system of wall construction, and their wide range of sizes gives maximum flexibility in meeting the most exacting architectural requirements. These units possess all the advantages of the pioneer Denison H-Shape tile, plus ease in laying, that speeds up construction time and reduces costs. Their improved broken mortar joint feature provides insulation values that are far greater, and prevents dampness from being carried through the mortar joints by capillary attraction.

Denison Floor, Furring, and Partition Tile are made in all standard sizes. They are full size, uniform, straight, and deeply scored to provide an excellent plaster or concrete bond. Partition tile are also made smooth on one or two sides for painting, and their light tan color gives a pleasing effect unpainted, if desired.

All Denison Clay Products are manufactured by the most modern processes, including "scientific de-airing" which assures Denison users of quality that will satisfy the most rigid specification requirements. They are backed by a corporation whose responsibility has been proven by more than fifty-six years of experience and leadership in the clay industry.

DENISON KWIKERY TILE

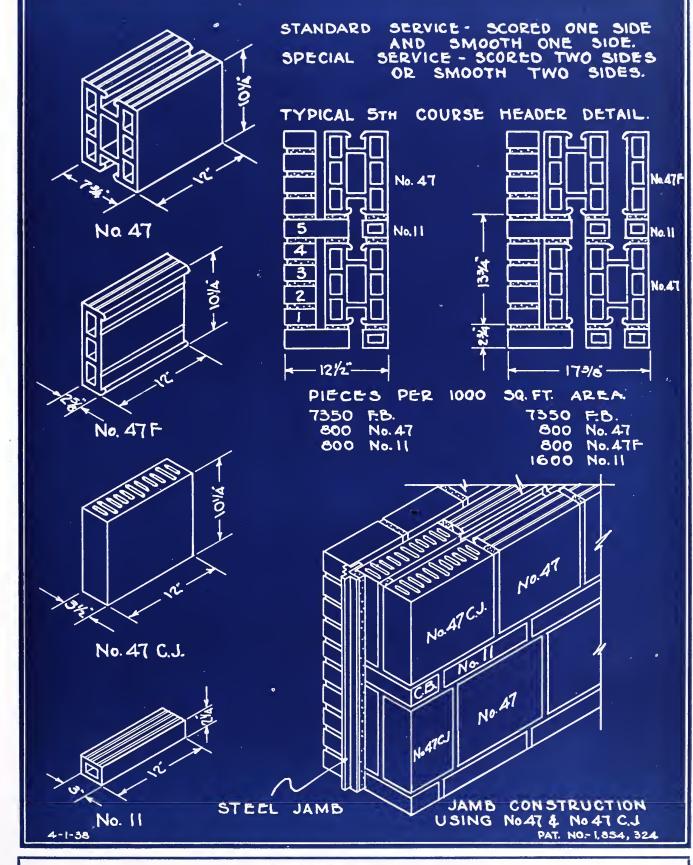
AVERY LIURARY COLUMBIA UNIVERSITY

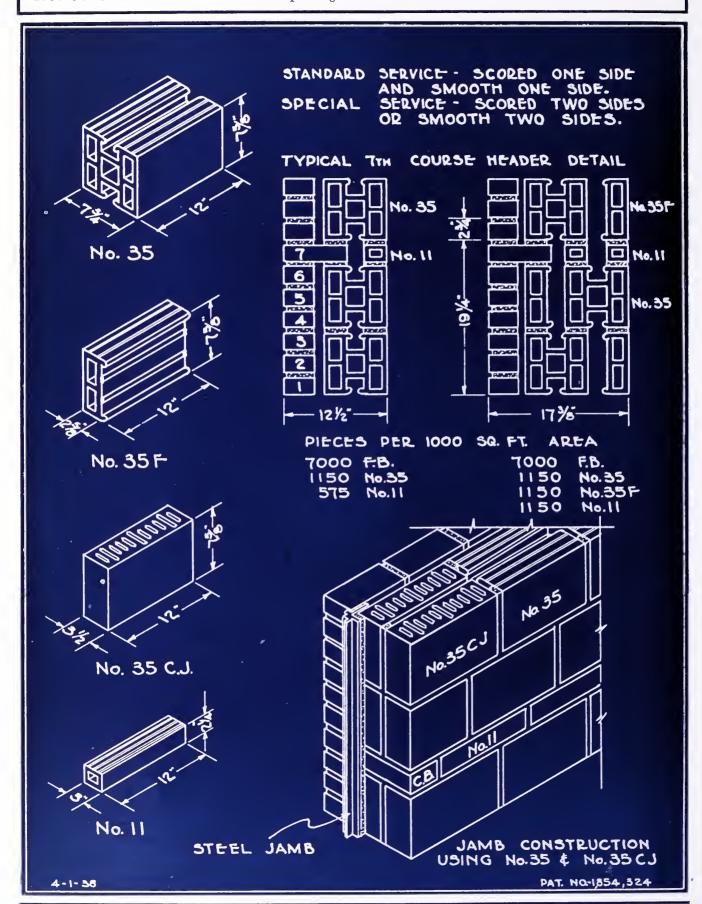
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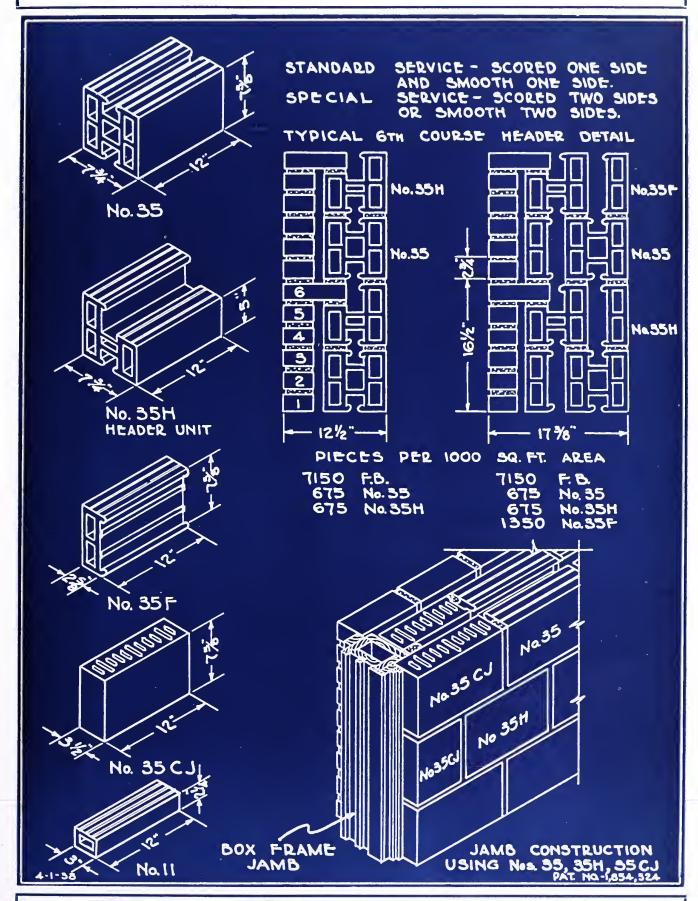
Mason City Brick and Tile Company

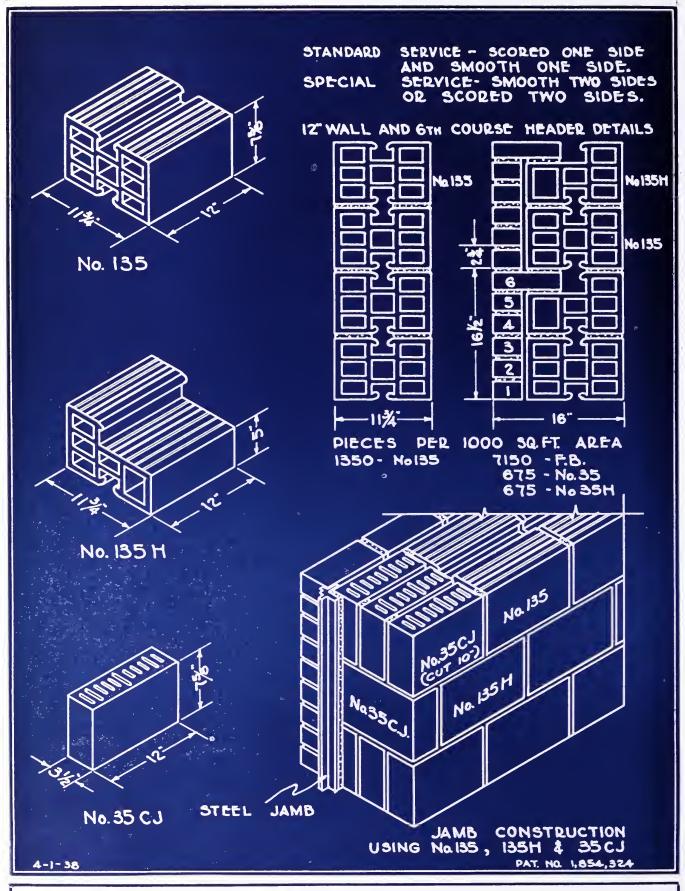
GENERAL OFFICE AND FACTORIES - MASON CITY, IOWA

Twin City Office in Foshay Tower

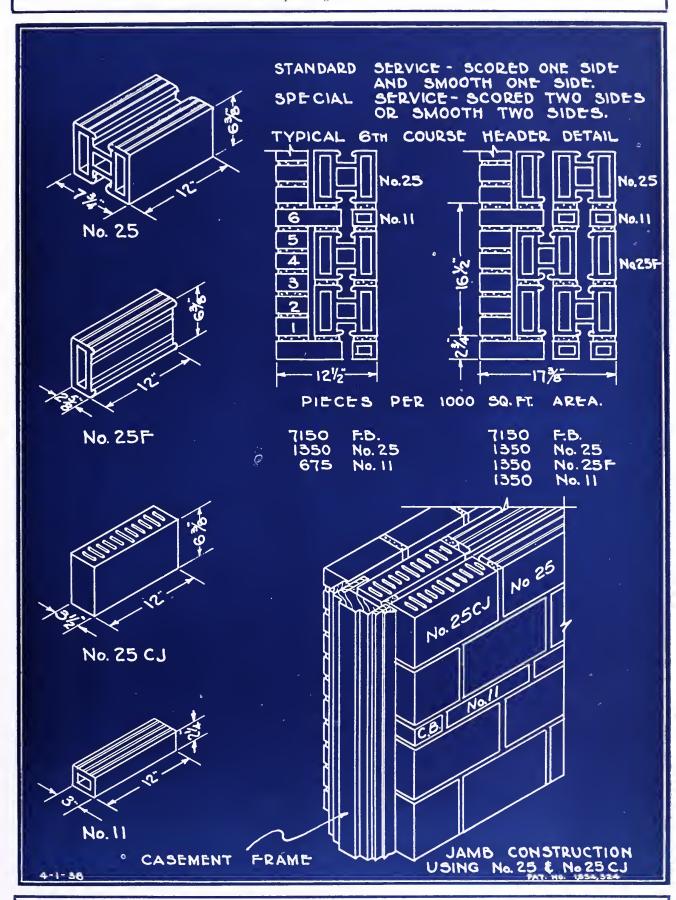


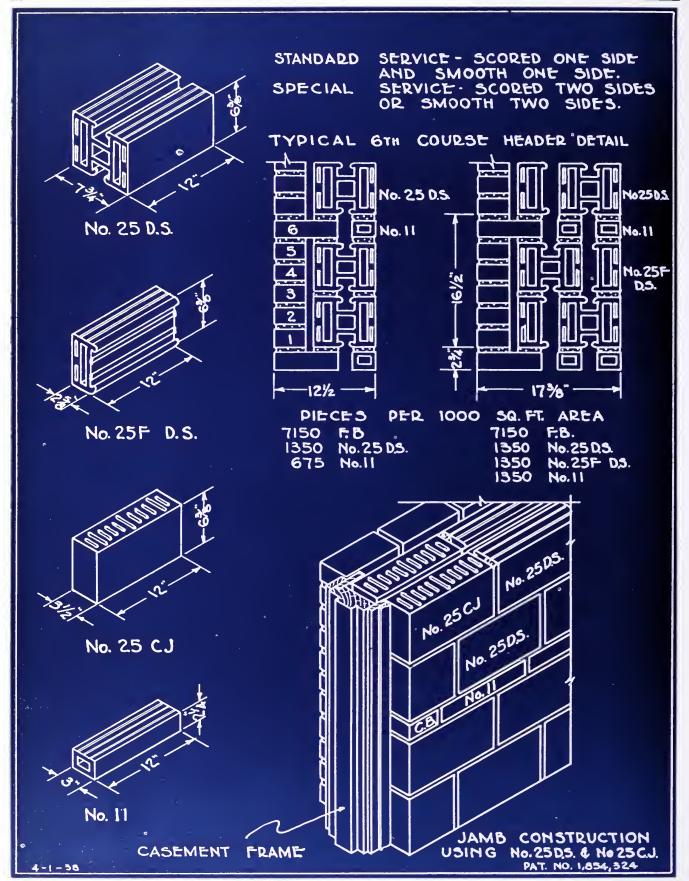


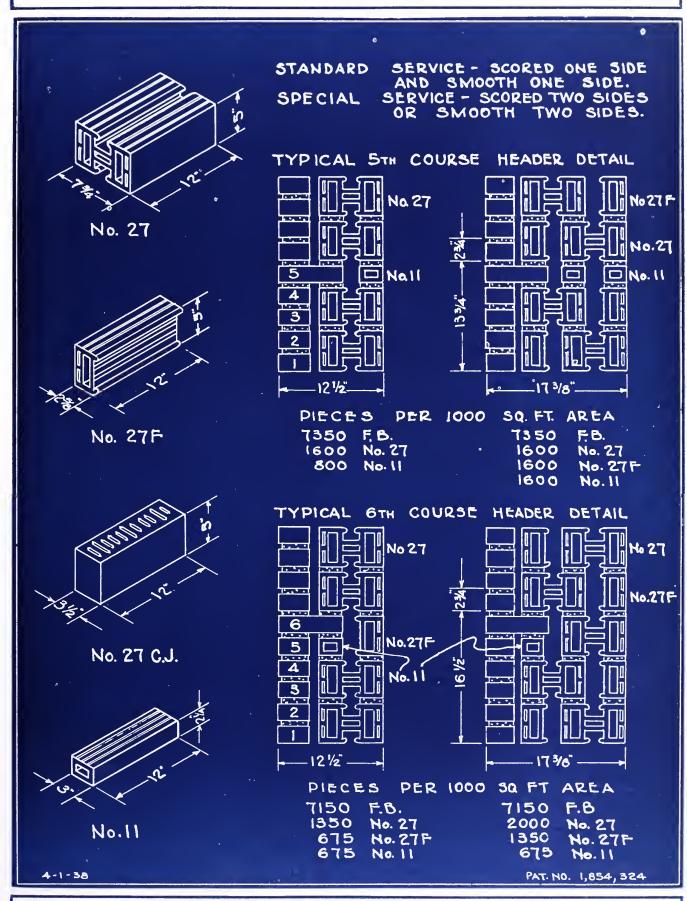


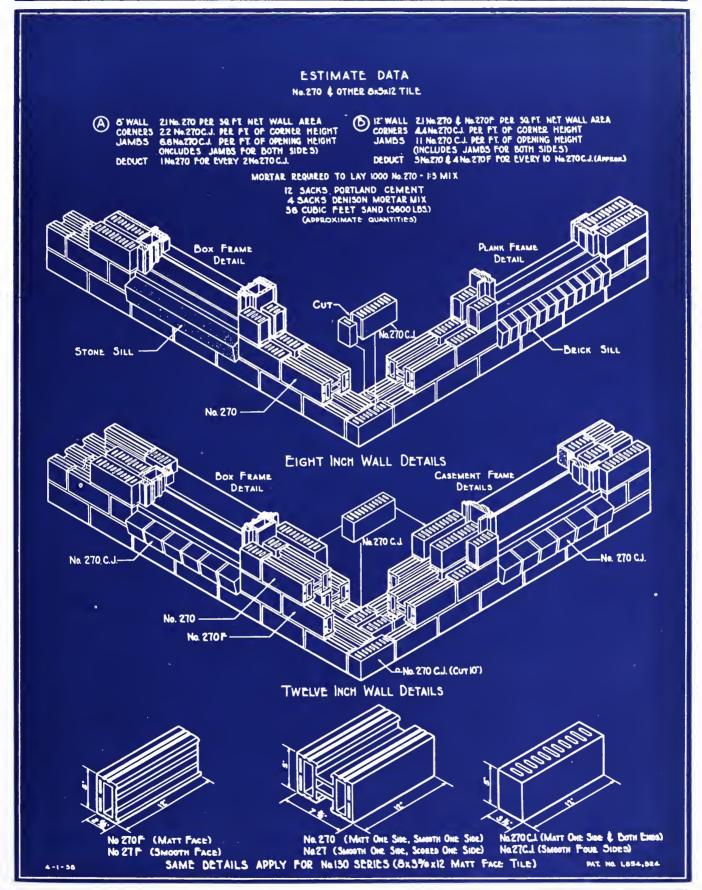


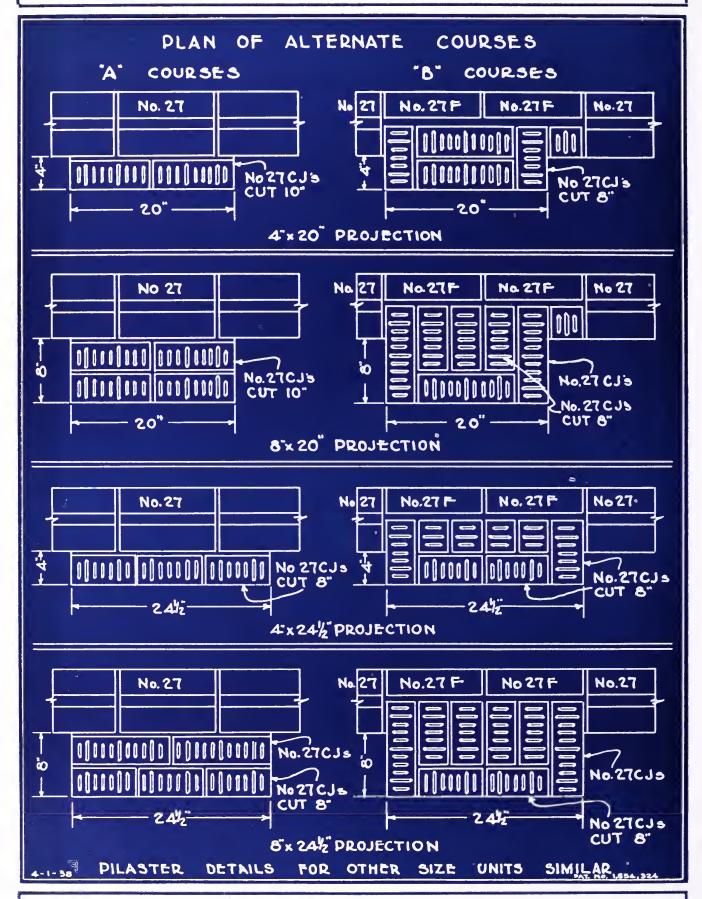


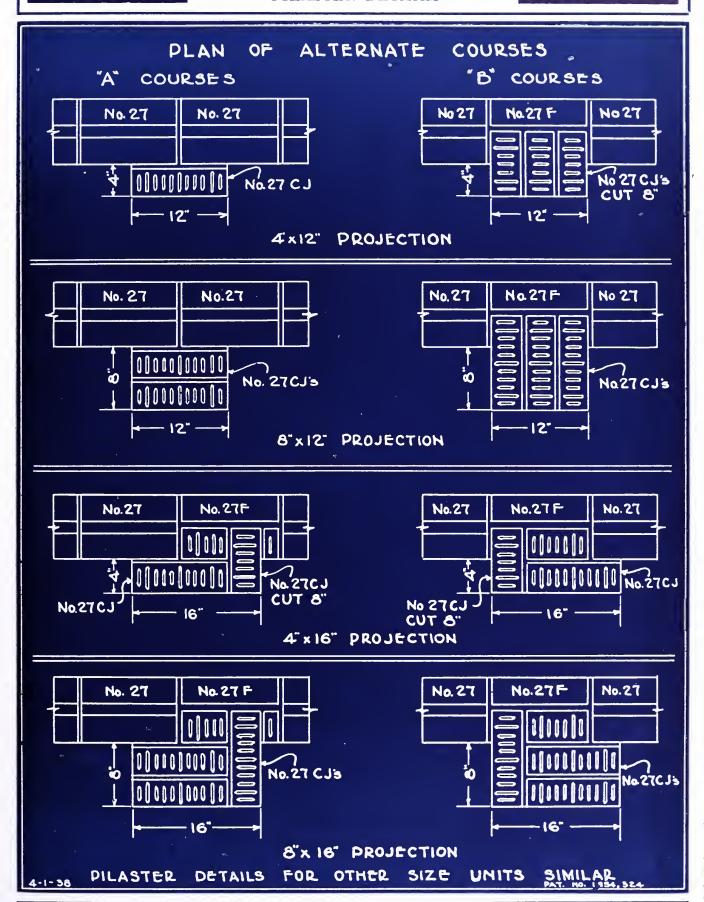


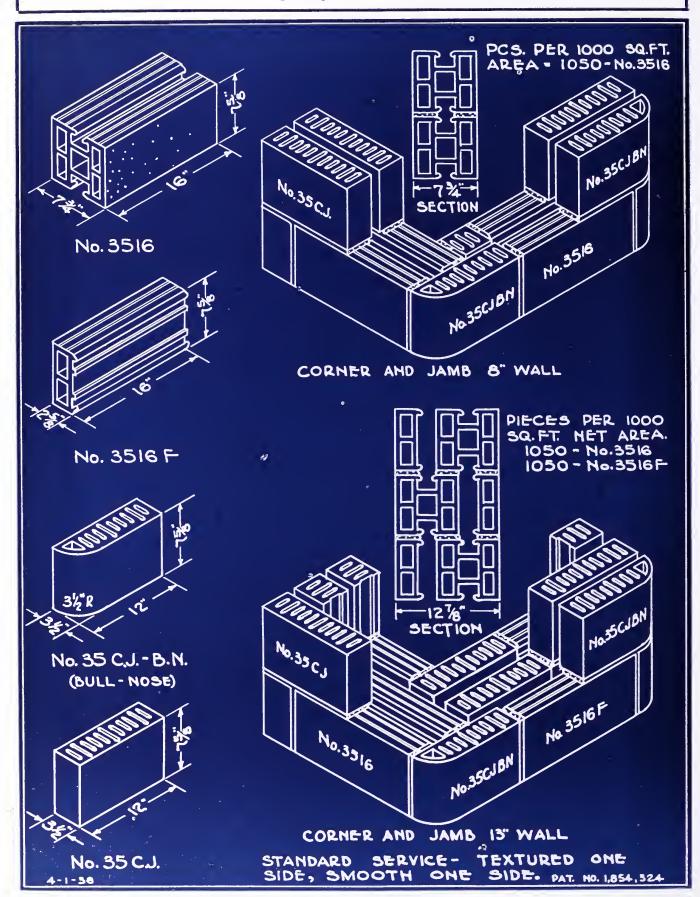


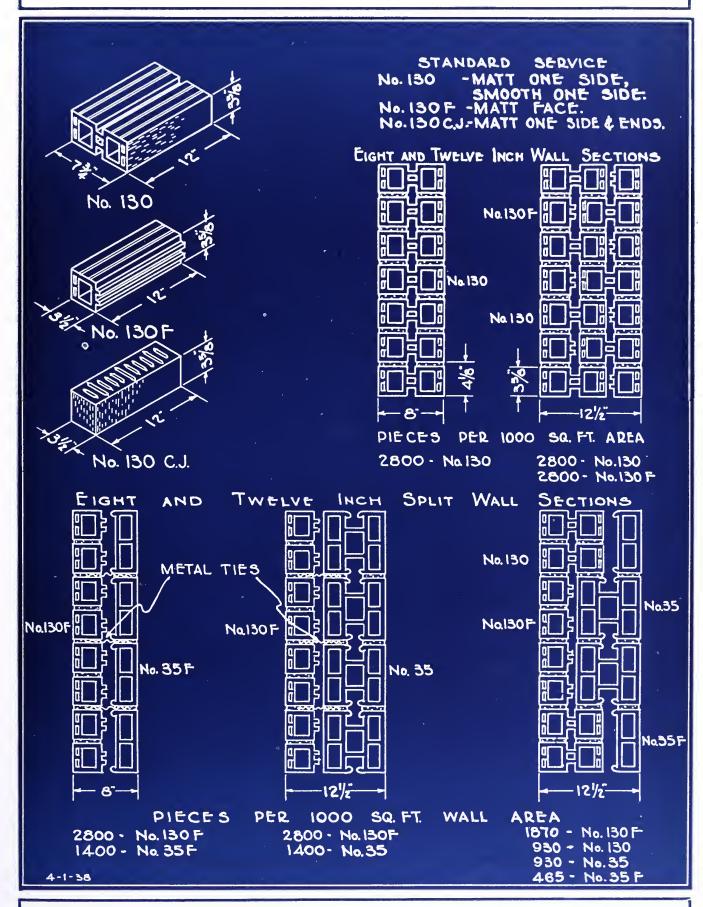




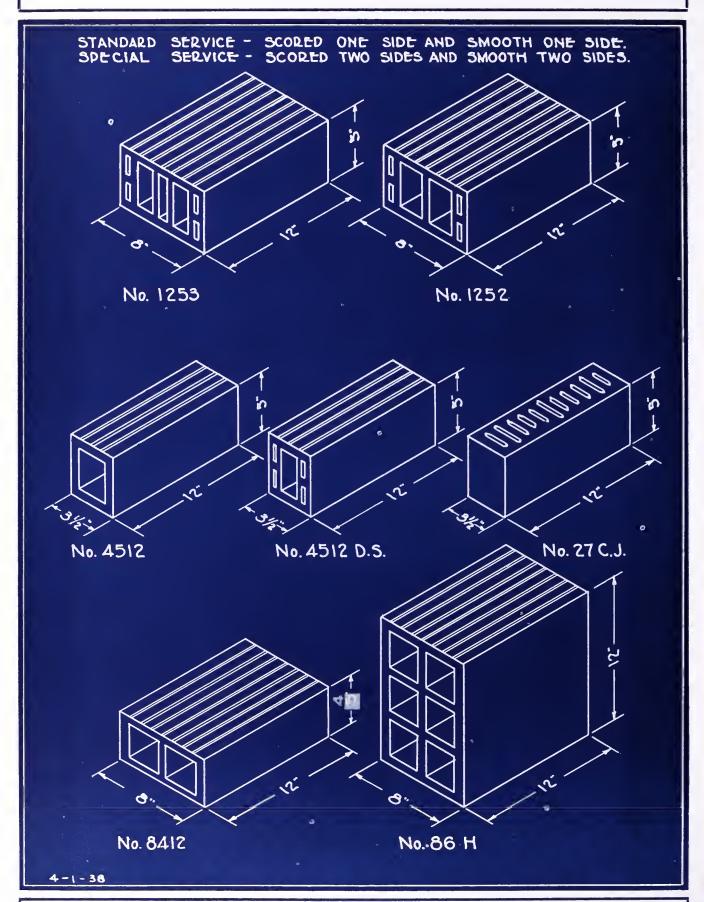






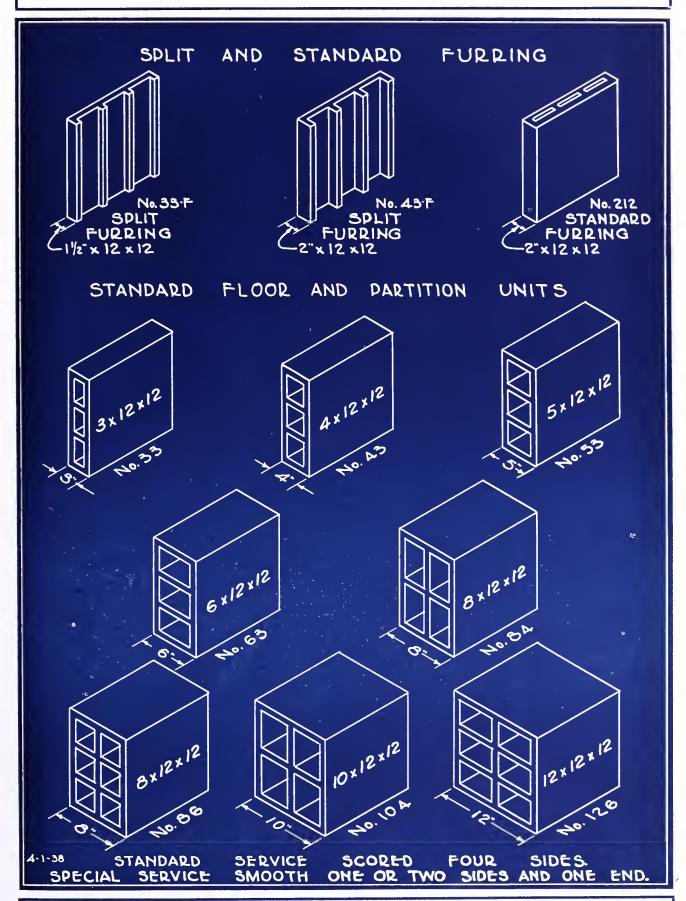


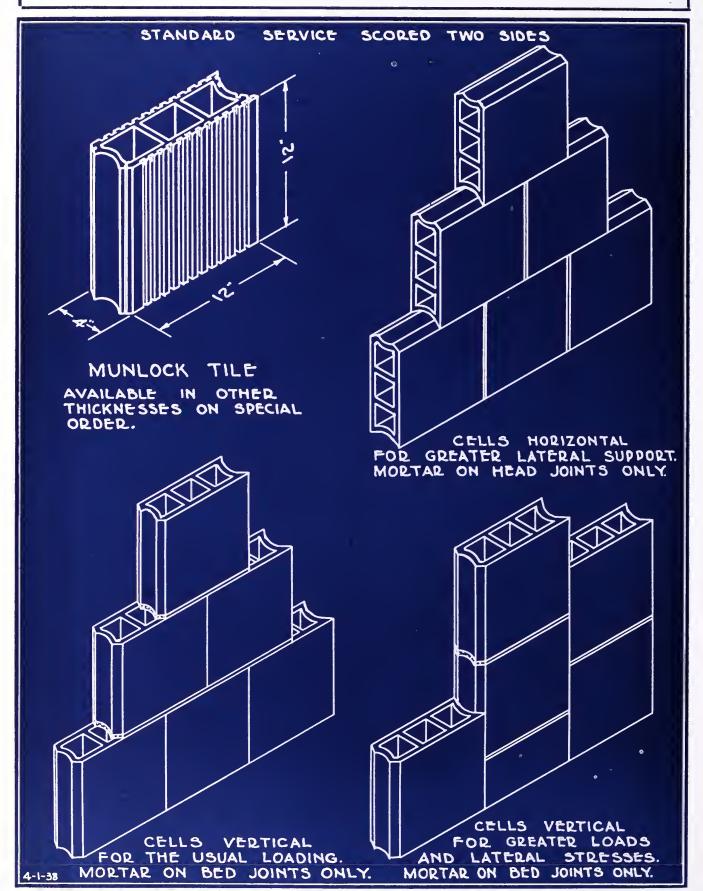
FLAT BED LOAD BEARING UNITS

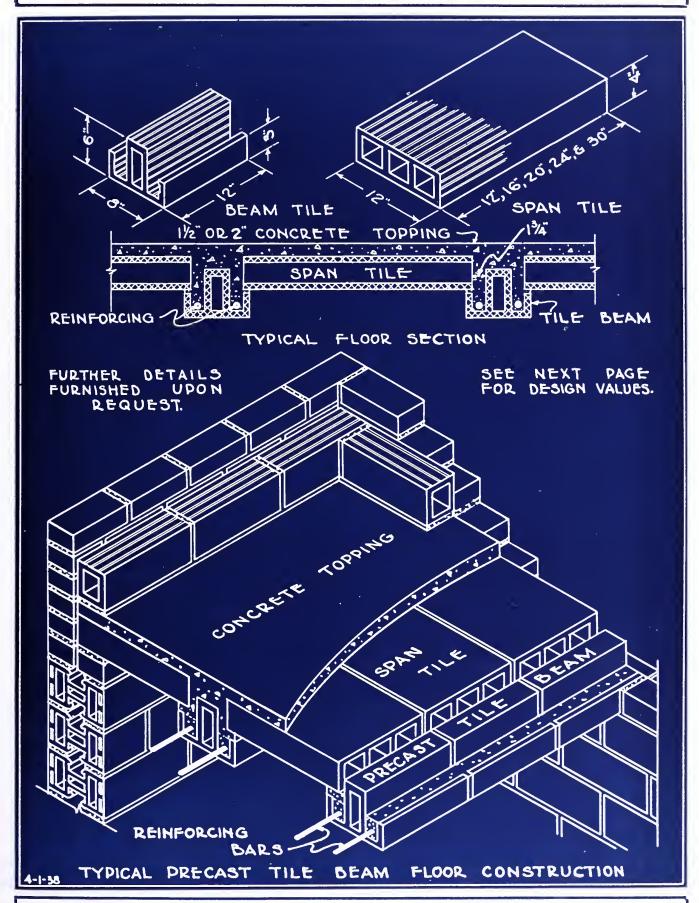


MASON CITY BRICK AND TILE COMPANY, MASON CITY, IOWA

DENISON STRUCTURAL CLAY TILE







RECOMMENDED REQUIREMENTS FOR VARIOUS DESIGN LOADS

Reinforcing		AND, BEAM SPA		CING
• :	1/2" CONCRE	TE TOPPING	2" CONCRE	TE TOPPING
SPAN	40 LBS /5Q. FT.	50 LBS/3Q.FT.	75 LBS/SQ.FT.	IOOLBS./SQ.FT.
LENGTH	LIVE LOAD	LIVE LOAD	LIVE LOAD	LIVE LOAD
0,-10.	2 - ½" ф	2 - ½" ф	2 - ½" ¢	2- <i>5</i> 6 ф
	36" O.C.	36" O.C.	36" O.C.	36 0.C.
10,-15,	2 - ½ 6	2 - % 4	2 - 5 /8" 4	2 - 5/6" 4
	36" O.C.	36" Q.C.	36" O.C.	30" O.C.
12'-14	2 - 5/6" ф	2 - 5 ⁄8" ♦	2 - ¾ •	2 - ¾4°φ
	36" O.C.	36" O.C.	36 • O.C.	30° O.C.
14:-16	2- ³ /4 ф	2 - 3/4" ф	2 - ¾" a	2 - <i>¾</i> *¢
	36" O.C.	36" O.C.	30" 0. C.	26° o.c.
16'-18'	2 - 7 4" b	2 · ³⁄4" φ	2- ¾ 4	2- ¾ ф
	36" o.c.	30" o.c.	26" O.C.	18" O.C.
18'-20'	2-34°6	2 - ³ /4"φ	2 - ¾ 6	2 - ¾4"¢
	30° o.c.	26" O.C.	18" O.C.	18" O. C.

FURTHER DESIGN VALUES FURNISHED UPON REQUEST.

DEAD LOAD REINFORCED TILE FLOOR					
BEAM SPACING DISTANCE O.C.	LENGTH OF SPAN TILE	D.L. LBS SQ.FT. 1½" CONCRETE			
l8 Inches	, 12 INCHES	60.5			
22 "	16 "	56.7			
26 -	20 "	52.7			
30 "	24 " *	48.8			
36 .	30"-6 CELL	° 48.8			

SEE DETAILS ON PREVIOUS SHEET

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AVERY LIDRARY COLUMBIA UNIVERSITY

DENISON CLAY PRODUCTS for every building need

Denison Clay Products include Loadbearing Tile, Floor, Furring and Partition Tile, Facing Tile, Roofing Tile, Silo Tile, Drain Tile, Radial Chimney Brick, Face Brick, Common Brick and Mortar Mix.

Our unlimited high-grade shale deposits and our group or modern manufacturing plants, all located at Mason City, lowa, place at your disposal the largest producing capacity and the largest reserve stocks of modern structural clay products in the entire Northwest. Excellent railroad facilities insure prompt delivery in any direction.

"Denison Quality" stands for the best in structural clay products and is more than a name, for every shipment is backed by a reputation established through continuous operating experience since 1882.

DENISON KWIKLAY TILE

Mason City Brick and Tile Company

GENERAL OFFICE AND FACTORIES - MASON CITY, IOWA

Twin City Office in Foshay Tower